

Craig Simmons

List of Publications by Year in descending order

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Version: 2024-02-01

240
papers

10,728
citations

30070

54
h-index

43889

91
g-index

247
all docs

247
docs citations

247
times ranked

7921
citing authors

#	ARTICLE	IF	CITATIONS
1	Groundwater age persistence in topography-driven groundwater flow over paleohydrogeologic time scales. <i>Geology</i> , 2022, 50, 731-735.	4.4	4
2	Coming together: Insights from an Australian example of collective action to co-manage groundwater. <i>Journal of Hydrology</i> , 2022, 608, 127658.	5.4	9
3	Editorial: Modeling-Based Approaches for Water Resources Problems. <i>Frontiers in Water</i> , 2022, 4, .	2.3	1
4	Predicting wildfire induced changes to runoff: A review and synthesis of modeling approaches. <i>Wiley Interdisciplinary Reviews: Water</i> , 2022, 9, .	6.5	5
5	An Approach to Include Hydrogeologic Barriers With Unknown Geometric Properties in Groundwater Model Inversions. <i>Water Resources Research</i> , 2022, 58, .	4.2	1
6	Cooling power of sea breezes and its inland penetration in dry-summer Adelaide, Australia. <i>Atmospheric Research</i> , 2021, 250, 105409.	4.1	5
7	Groundwater resources in Australia— their occurrence, management, and future challenges. , 2021, , 35-46.		1
8	Controls on Interactions Between Surface Water, Groundwater, and Riverine Vegetation Along Intermittent Rivers and Ephemeral Streams in Arid Regions. <i>Water Resources Research</i> , 2021, 57, e2020WR028429.	4.2	16
9	Review of assimilating GRACE terrestrial water storage data into hydrological models: Advances, challenges and opportunities. <i>Earth-Science Reviews</i> , 2021, 213, 103487.	9.1	26
10	Understanding topography-driven groundwater flow using fully-coupled surface-water and groundwater modeling. <i>Journal of Hydrology</i> , 2021, 594, 125950.	5.4	14
11	Comparison of Surface Water–Groundwater Exchange Fluxes Derived From Hydraulic and Geochemical Methods and a Regional Groundwater Model. <i>Water Resources Research</i> , 2021, 57, e2020WR029137.	4.2	7
12	A conjunctive management framework for the optimal design of pumping and injection strategies to mitigate seawater intrusion. <i>Journal of Environmental Management</i> , 2021, 282, 111964.	7.8	24
13	Including Vertical Fault Structures in Layered Groundwater Flow Models. <i>Ground Water</i> , 2021, 59, 799-807.	1.3	2
14	Convective-reactive transport of dissolved CO ₂ in fractured-geological formations. <i>International Journal of Greenhouse Gas Control</i> , 2021, 109, 103365.	4.6	16
15	The future of groundwater science and research. , 2021, , 503-517.		1
16	Study of the Effect of Thermal Dispersion on Internal Natural Convection in Porous Media Using Fourier Series. <i>Transport in Porous Media</i> , 2020, 131, 537-568.	2.6	11
17	Commemorating the 50th anniversary of the Freeze and Harlan (1969) Blueprint for a physically-based, digitally-simulated hydrologic response model. <i>Journal of Hydrology</i> , 2020, 584, 124309.	5.4	13
18	Improving model-data interaction in hydrogeology: Insights from different disciplines. <i>Journal of Hydrology</i> , 2020, 580, 124275.	5.4	3

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19	Conjoint use of hydraulic head and groundwater age data to detect hydrogeologic barriers. <i>Hydrogeology Journal</i> , 2020, 28, 1003-1019.	2.1	7
20	Worth of hydraulic and water chemistry observation data in terms of the reliability of surface water-groundwater exchange flux predictions under varied flow conditions. <i>Journal of Hydrology</i> , 2020, 590, 125441.	5.4	18
21	Normalized difference vegetation index as the dominant predicting factor of groundwater recharge in phreatic aquifers: case studies across Iran. <i>Scientific Reports</i> , 2020, 10, 17473.	3.3	31
22	A Fourier Series Solution for Transient Three-Dimensional Thermohaline Convection in Porous Enclosures. <i>Water Resources Research</i> , 2020, 56, e2020WR028111.	4.2	4
23	Uncertainty quantification and global sensitivity analysis of double-diffusive natural convection in a porous enclosure. <i>International Journal of Heat and Mass Transfer</i> , 2020, 162, 120291.	4.8	19
24	Influence of lakebed sediment deposit on the interaction of hypersaline lake and groundwater: A simplified case of lake Urmia, Iran. <i>Journal of Hydrology</i> , 2020, 588, 125110.	5.4	26
25	Assessing Temporal Changes in Groundwater Recharge Using Spatial Variations in Groundwater Ages. <i>Water Resources Research</i> , 2020, 56, e2020WR027240.	4.2	7
26	Lessons from 10 Years of Experience with Australia's Risk-Based Guidelines for Managed Aquifer Recharge. <i>Water (Switzerland)</i> , 2020, 12, 537.	2.7	17
27	Effect of distance-dependent dispersivity on density-driven flow in porous media. <i>Journal of Hydrology</i> , 2020, 589, 125204.	5.4	8
28	Interaction of lake-groundwater levels using cross-correlation analysis: A case study of Lake Urmia Basin, Iran. <i>Science of the Total Environment</i> , 2020, 729, 138822.	8.0	34
29	The millennium-old hydrogeology textbook <i>The Extraction of Hidden Waters</i> by the Persian mathematician and engineer Abubakr Mohammad Karaji (953-1029 CE). <i>Hydrology and Earth System Sciences</i> , 2020, 24, 761-769.	4.9	5
30	A probabilistic framework for water budget estimation in low runoff regions: A case study of the central Basin of Iran. <i>Journal of Hydrology</i> , 2020, 586, 124898.	5.4	15
31	Groundwater in Australia: Occurrence and Management Issues. <i>Global Issues in Water Policy</i> , 2020, , 109-127.	0.1	3
32	Effects of Intraborehole Flow on Purging and Sampling Long-Screened or Open Wells. <i>Ground Water</i> , 2019, 57, 269-278.	1.3	5
33	Can collective action address the "tragedy of the commons" in groundwater management? Insights from an Australian case study. <i>Hydrogeology Journal</i> , 2019, 27, 2471-2483.	2.1	25
34	Sea breeze cooling capacity and its influencing factors in a coastal city. <i>Building and Environment</i> , 2019, 166, 106408.	6.9	28
35	Unstable Density-Driven Flow in Fractured Porous Media: The Fractured Elder Problem. <i>Fluids</i> , 2019, 4, 168.	1.7	8
36	Depth-Resolved Groundwater Chemistry by Longitudinal Sampling of Ambient and Pumped Flows Within Long-Screened and Open Borehole Wells. <i>Water Resources Research</i> , 2019, 55, 9417-9435.	4.2	7

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37	Representative pumping wells network to estimate groundwater withdrawal from aquifers: Lessons from a developing country, Iran. <i>Journal of Hydrology</i> , 2019, 578, 124090.	5.4	7
38	Uncertainty analysis for seawater intrusion in fractured coastal aquifers: Effects of fracture location, aperture, density and hydrodynamic parameters. <i>Journal of Hydrology</i> , 2019, 571, 159-177.	5.4	48
39	Root-zone moisture replenishment in a native vegetated catchment under Mediterranean climate. <i>Hydrological Processes</i> , 2019, 33, 2394-2407.	2.6	21
40	A constant rate salt tracer injection method to quantify pumped flows in long-screened or open borehole wells. <i>Journal of Hydrology</i> , 2019, 574, 408-420.	5.4	10
41	Assessment of sustainable groundwater resources management using integrated environmental index: Case studies across Iran. <i>Science of the Total Environment</i> , 2019, 676, 792-810.	8.0	39
42	Uncertainty assessment of spatial-scale groundwater recharge estimated from unsaturated flow modelling. <i>Hydrogeology Journal</i> , 2019, 27, 379-393.	2.1	10
43	Protecting groundwater levels and ecosystems with simple management approaches. <i>Hydrogeology Journal</i> , 2019, 27, 225-237.	2.1	14
44	Towards Quantifying the Likelihood of Water Resource Impacts from Unconventional Gas Development. <i>Ground Water</i> , 2019, 57, 547-561.	1.3	12
45	Impacts of groundwater depth on regional scale soil gleyization under changing climate in the Poyang Lake Basin, China. <i>Journal of Hydrology</i> , 2019, 568, 501-516.	5.4	15
46	Vulnerability mapping of coastal aquifers to seawater intrusion: Review, development and application. <i>Journal of Hydrology</i> , 2019, 570, 555-573.	5.4	68
47	The Effect of Undetected Barriers on Groundwater Drawdown and Recovery. <i>Ground Water</i> , 2019, 57, 718-726.	1.3	6
48	A Brief Introduction to Convection in Porous Media. <i>Transport in Porous Media</i> , 2019, 130, 237-250.	2.6	33
49	Non-pumping reactive wells filled with mixing nano and micro zero-valent iron for nitrate removal from groundwater: Vertical, horizontal, and slanted wells. <i>Journal of Contaminant Hydrology</i> , 2018, 210, 50-64.	3.3	28
50	Confusion About "Convection". <i>Ground Water</i> , 2018, 56, 683-687.	1.3	4
51	Density-based global sensitivity analysis of sheet-flow travel time: Kinematic wave-based formulations. <i>Journal of Hydrology</i> , 2018, 559, 556-568.	5.4	2
52	Semianalytical solutions for contaminant transport under variable velocity field in a coastal aquifer. <i>Journal of Hydrology</i> , 2018, 560, 434-450.	5.4	6
53	Uncertainty of groundwater recharge estimated from a water and energy balance model. <i>Journal of Hydrology</i> , 2018, 561, 1081-1093.	5.4	36
54	On the use of COMSOL Multiphysics for seawater intrusion in fractured coastal aquifers. <i>E3S Web of Conferences</i> , 2018, 54, 00020.	0.5	11

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55	Fourier series solution for an anisotropic and layered configuration of the dispersive Henry Problem. E3S Web of Conferences, 2018, 54, 00014.	0.5	0
56	Model-data interaction in groundwater studies: Review of methods, applications and future directions. Journal of Hydrology, 2018, 567, 457-477.	5.4	50
57	Physical and Chemical Controls on the Simultaneous Occurrence of Young and Old Groundwater Inferred From Multiple Age Tracers. Water Resources Research, 2018, 54, 9514-9532.	4.2	12
58	Stochastic correction of carbon-14 activities: A Bayesian approach with argon-39 validation. Journal of Hydrology, 2018, 566, 396-405.	5.4	7
59	A Generalized Semi-Analytical Solution for the Dispersive Henry Problem: Effect of Stratification and Anisotropy on Seawater Intrusion. Water (Switzerland), 2018, 10, 230.	2.7	17
60	Identifying modern and historic recharge events from tracer-derived groundwater age distributions. Water Resources Research, 2017, 53, 1039-1056.	4.2	26
61	Blueprint for a coupled model of sedimentology, hydrology, and hydrogeology in streambeds. Reviews of Geophysics, 2017, 55, 287-309.	23.0	52
62	A vegetation-focused soil-plant-atmospheric continuum model to study hydrodynamic soil-plant water relations. Water Resources Research, 2017, 53, 4965-4983.	4.2	39
63	Predicting Water Resource Impacts of Unconventional Gas Using Simple Analytical Equations. Ground Water, 2017, 55, 387-398.	1.3	2
64	The Elder Problem. Ground Water, 2017, 55, 926-930.	1.3	6
65	Response of leaf stable carbon isotope composition to temporal and spatial variabilities of aridity index on two opposite hillslopes in a native vegetated catchment. Journal of Hydrology, 2017, 553, 214-223.	5.4	10
66	Spring hydrograph simulation of karstic aquifers: Impacts of variable recharge area, intermediate storage and memory effects. Journal of Hydrology, 2017, 552, 225-240.	5.4	22
67	Fuzzy vulnerability mapping of urban groundwater systems to nitrate contamination. Environmental Modelling and Software, 2017, 96, 146-157.	4.5	26
68	Advances in understanding river-groundwater interactions. Reviews of Geophysics, 2017, 55, 818-854.	23.0	158
69	Groundwater flow estimation using temperature-depth profiles in a complex environment and a changing climate. Science of the Total Environment, 2017, 574, 272-281.	8.0	29
70	Electrical Resistivity tomography to image convective flow in groundwater: Examples from the United Arab Emirates Sabkha. , 2017, , .		1
71	The Elder Problem. Fluids, 2017, 2, 11.	1.7	12
72	Is Decoupling GDP Growth from Environmental Impact Possible?. PLoS ONE, 2016, 11, e0164733.	2.5	292

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73	Groundwater Down Under. <i>Ground Water</i> , 2016, 54, 459-460.	1.3	4
74	Groundwater Recharge and Mixing in Arid and Semiarid Regions: Heihe River Basin, Northwest China. <i>Acta Geologica Sinica</i> , 2016, 90, 971-987.	1.4	13
75	Impact of kinetic mass transfer on free convection in a porous medium. <i>Water Resources Research</i> , 2016, 52, 3637-3653.	4.2	24
76	Solute transport processes in flow-event-driven stream-aquifer interaction. <i>Journal of Hydrology</i> , 2016, 538, 363-373.	5.4	11
77	Representativeness of 2D models to simulate 3D unstable variable density flow in porous media. <i>Journal of Hydrology</i> , 2016, 542, 541-551.	5.4	12
78	Uncertainties in vertical groundwater fluxes from 1D steady state heat transport analyses caused by heterogeneity, multidimensional flow, and climate change. <i>Water Resources Research</i> , 2016, 52, 813-826.	4.2	30
79	The Henry problem: New semianalytical solution for velocity-dependent dispersion. <i>Water Resources Research</i> , 2016, 52, 7382-7407.	4.2	36
80	Temporal and spatial patterns of air temperature in a coastal city with a slope base setting. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 5336-5355.	3.3	8
81	Contrasting responses of water use efficiency to drought across global terrestrial ecosystems. <i>Scientific Reports</i> , 2016, 6, 23284.	3.3	227
82	Modeling the environmental controls on tree water use at different temporal scales. <i>Agricultural and Forest Meteorology</i> , 2016, 225, 24-35.	4.8	33
83	Quantifying sapwood width for three Australian native species using electrical resistivity tomography. <i>Ecohydrology</i> , 2016, 9, 83-92.	2.4	30
84	Sea-level rise impacts on seawater intrusion in coastal aquifers: Review and integration. <i>Journal of Hydrology</i> , 2016, 535, 235-255.	5.4	219
85	Uncertainty of natural tracer methods for quantifying river-aquifer interaction in a large river. <i>Journal of Hydrology</i> , 2016, 535, 135-147.	5.4	34
86	Numerical investigation of coupled density-driven flow and hydrogeochemical processes below plays. <i>Water Resources Research</i> , 2015, 51, 9338-9352.	4.2	19
87	Reply to comment by Behzad Ataie-Ashtiani on "Effects of tidal fluctuations on mixing and spreading in coastal aquifers: Homogeneous case". <i>Water Resources Research</i> , 2015, 51, 4859-4860.	4.2	2
88	On the limits of heat as a tracer to estimate reach-scale river-aquifer exchange flux. <i>Water Resources Research</i> , 2015, 51, 7401-7416.	4.2	19
89	The effect of streambed heterogeneity on groundwater-surface water exchange fluxes inferred from temperature time series. <i>Water Resources Research</i> , 2015, 51, 198-212.	4.2	57
90	Validity and slopes of the linear equation of state for natural brines in salt lake systems. <i>Journal of Hydrology</i> , 2015, 523, 190-195.	5.4	16

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91	Assessment of the internal dynamics of the Australian Water Balance Model under different calibration regimes. <i>Environmental Modelling and Software</i> , 2015, 66, 57-68.	4.5	16
92	Effects of tidal fluctuations and spatial heterogeneity on mixing and spreading in spatially heterogeneous coastal aquifers. <i>Water Resources Research</i> , 2015, 51, 1570-1585.	4.2	72
93	Comparison of three dual-source remote sensing evapotranspiration models during the MUSOEXE12 campaign: Revisit of model physics. <i>Water Resources Research</i> , 2015, 51, 3145-3165.	4.2	97
94	An exploration of coupled surface-subsurface solute transport in a fully integrated catchment model. <i>Journal of Hydrology</i> , 2015, 529, 969-979.	5.4	19
95	A Correction on Coastal Heads for Groundwater Flow Models. <i>Ground Water</i> , 2015, 53, 164-170.	1.3	17
96	The Effect of Porous Medium Storage on Unstable Density-Driven Solute Transport. <i>Ground Water</i> , 2015, 53, 806-809.	1.3	2
97	Polynomial chaos expansions for uncertainty propagation and moment independent sensitivity analysis of seawater intrusion simulations. <i>Journal of Hydrology</i> , 2015, 520, 101-122.	5.4	101
98	Heat and Solute Tracers: How Do They Compare in Heterogeneous Aquifers?. <i>Ground Water</i> , 2015, 53, 10-20.	1.3	40
99	Limitations of the Use of Environmental Tracers to Infer Groundwater Age. <i>Ground Water</i> , 2015, 53, 56-70.	1.3	76
100	Investigating the influence of aquifer heterogeneity on the potential for thermal free convection in the Yarragadee Aquifer, Western Australia. <i>Hydrogeology Journal</i> , 2015, 23, 161-173.	2.1	7
101	Toward the Use of the MODIS ET Product to Estimate Terrestrial GPP for Nonforest Ecosystems. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014, 11, 1624-1628.	3.1	20
102	Fully integrated modeling of surface-subsurface solute transport and the effect of dispersion in tracer hydrograph separation. <i>Water Resources Research</i> , 2014, 50, 7750-7765.	4.2	19
103	When Can Inverted Water Tables Occur Beneath Streams?. <i>Ground Water</i> , 2014, 52, 769-774.	1.3	26
104	Estimating recharge rate from groundwater age using a simplified analytical approach: Applicability and error estimation in heterogeneous porous media. <i>Journal of Hydrology</i> , 2014, 511, 290-294.	5.4	9
105	Examination of water budget using satellite products over Australia. <i>Journal of Hydrology</i> , 2014, 511, 546-554.	5.4	44
106	Impact of Data Density and Geostatistical Simulation Technique on the Estimation of Residence Times in a Synthetic Two-dimensional Aquifer. <i>Mathematical Geosciences</i> , 2014, 46, 539-560.	2.4	5
107	A wavelet-based multiple linear regression model for forecasting monthly rainfall. <i>International Journal of Climatology</i> , 2014, 34, 1898-1912.	3.5	46
108	Finite volume coupling strategies for the solution of a Biot consolidation model. <i>Computers and Geotechnics</i> , 2014, 55, 494-505.	4.7	21

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109	Bias of Apparent Tracer Ages in Heterogeneous Environments. <i>Ground Water</i> , 2014, 52, 239-250.	1.3	48
110	Influence of Boundary Condition Types on Unstable Density-Dependent Flow. <i>Ground Water</i> , 2014, 52, 378-387.	1.3	9
111	Impact of fracture network geometry on free convective flow patterns. <i>Advances in Water Resources</i> , 2014, 71, 65-80.	3.8	28
112	Conceptualization of a fresh groundwater lens influenced by climate change: A modeling study of an arid-region island in the Persian Gulf, Iran. <i>Journal of Hydrology</i> , 2014, 519, 399-413.	5.4	49
113	Performance assessment and improvement of recursive digital baseflow filters for catchments with different physical characteristics and hydrological inputs. <i>Environmental Modelling and Software</i> , 2014, 54, 39-52.	4.5	42
114	Sea-level rise impact on fresh groundwater lenses in two-layer small islands. <i>Hydrological Processes</i> , 2014, 28, 5938-5953.	2.6	94
115	Electrical imaging and fluid modeling of convective fingering in a shallow water-table aquifer. <i>Water Resources Research</i> , 2014, 50, 954-968.	4.2	19
116	Effects of tidal fluctuations on mixing and spreading in coastal aquifers: Homogeneous case. <i>Water Resources Research</i> , 2014, 50, 6910-6926.	4.2	45
117	Optimization of canopy conductance models from concurrent measurements of sap flow and stem water potential on Drooping Sheoak in South Australia. <i>Water Resources Research</i> , 2014, 50, 6154-6167.	4.2	44
118	GRACE satellite observed hydrological controls on interannual and seasonal variability in surface greenness over mainland Australia. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 2245-2260.	3.0	118
119	Maximizing Net Extraction Using an Injection-Extraction Well Pair in a Coastal Aquifer. <i>Ground Water</i> , 2013, 51, 219-228.	1.3	23
120	Simulating MODFLOW-Based Reactive Transport Under Radially Symmetric Flow Conditions. <i>Ground Water</i> , 2013, 51, 398-413.	1.3	12
121	Examination and parameterization of the root water uptake model from stem water potential and sap flow measurements. <i>Hydrological Processes</i> , 2013, 27, 2857-2863.	2.6	22
122	Deep Saline Fluids in Geologic Basins: The Possible Role of the Soret Effect. <i>Transport in Porous Media</i> , 2013, 99, 297-305.	2.6	1
123	Particle-size effects on dissolved arsenic adsorption to an Australian laterite. <i>Environmental Earth Sciences</i> , 2013, 68, 2301-2312.	2.7	11
124	Interpreting streamflow generation mechanisms from integrated surface-subsurface flow models of a riparian wetland and catchment. <i>Water Resources Research</i> , 2013, 49, 5501-5519.	4.2	56
125	Threats to coastal aquifers. <i>Nature Climate Change</i> , 2013, 3, 605-605.	18.8	23
126	Canopy enhanced chloride deposition in coastal South Australia and its application for the chloride mass balance method. <i>Journal of Hydrology</i> , 2013, 497, 62-70.	5.4	21

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127	On the implementation of the surface conductance approach using a block-centred surface–subsurface hydrology model. <i>Journal of Hydrology</i> , 2013, 496, 1-8.	5.4	5
128	Seawater intrusion processes, investigation and management: Recent advances and future challenges. <i>Advances in Water Resources</i> , 2013, 51, 3-26.	3.8	1,046
129	Framework for assessing and improving the performance of recursive digital filters for baseflow estimation with application to the Lyne and Hollick filter. <i>Environmental Modelling and Software</i> , 2013, 41, 163-175.	4.5	29
130	Seawater Intrusion Under Current Sea-Level Rise: Processes Accompanying Coastline Transgression. <i>Coastal Research Library</i> , 2013, , 295-313.	0.4	6
131	How important is the impact of land-surface inundation on seawater intrusion caused by sea-level rise?. <i>Hydrogeology Journal</i> , 2013, 21, 1673-1677.	2.1	72
132	Groundwater modelling in decision support: reflections on a unified conceptual framework. <i>Hydrogeology Journal</i> , 2013, 21, 1531-1537.	2.1	60
133	Principal component analysis of watershed hydrochemical response to forest clearance and its usefulness for chloride mass balance applications. <i>Water Resources Research</i> , 2013, 49, 4362-4378.	4.2	8
134	Time to reach near-steady state in large aquifers. <i>Water Resources Research</i> , 2013, 49, 6893-6908.	4.2	73
135	On the testing of fully integrated surface–subsurface hydrological models. <i>Hydrological Processes</i> , 2013, 27, 1276-1285.	2.6	40
136	Discussion on: “Experimental observations of saltwater up-coning” by Werner, A.D, Jakovovic, D., Simmons, C.T., 2009. <i>Journal of Hydrology</i> 373, 230–241. <i>Journal of Hydrology</i> , 2012, 458-459, 118-120.	5.4	3
137	Evaluation of outputs from automated baseflow separation methods against simulated baseflow from a physically based, surface water-groundwater flow model. <i>Journal of Hydrology</i> , 2012, 458-459, 28-39.	5.4	111
138	Uncertainty assessment and implications for data acquisition in support of integrated hydrologic models. <i>Water Resources Research</i> , 2012, 48, .	4.2	63
139	Prediction and uncertainty of free convection phenomena in porous media. <i>Water Resources Research</i> , 2012, 48, .	4.2	31
140	Aquifer response to surface water transience in disconnected streams. <i>Water Resources Research</i> , 2012, 48, .	4.2	26
141	On the interpretation of coastal aquifer water level trends and water balances: A precautionary note. <i>Journal of Hydrology</i> , 2012, 470-471, 280-288.	5.4	23
142	Vulnerability Indicators of Sea Water Intrusion. <i>Ground Water</i> , 2012, 50, 48-58.	1.3	159
143	HydroGeoSphere: A Fully Integrated, Physically Based Hydrological Model. <i>Ground Water</i> , 2012, 50, 170-176.	1.3	365
144	Using Every Tool in the Toolbox. <i>Ground Water</i> , 2012, 50, 323-323.	1.3	12

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145	Tracer adsorption in sand-tank experiments of saltwater up-coning. <i>Journal of Hydrology</i> , 2012, 414-415, 476-481.	5.4	17
146	Influence of the first-order exchange coefficient on simulation of coupled surface–subsurface flow. <i>Journal of Hydrology</i> , 2012, 414-415, 503-515.	5.4	44
147	Heterogeneous or homogeneous? Implications of simplifying heterogeneous streambeds in models of losing streams. <i>Journal of Hydrology</i> , 2012, 424-425, 16-23.	5.4	89
148	Groundwater recharge to a sedimentary aquifer in the topographically closed Uley South Basin, South Australia. <i>Hydrogeology Journal</i> , 2012, 20, 61-72.	2.1	36
149	Updating the Debate on Model Complexity. <i>GSA Today</i> , 2012, 22, 28-29.	2.0	16
150	Electrical Resistivity Imaging and Fluid Modeling of Free Convection in a Coastal Sabkha. , 2012, , .		1
151	Process-Based Reactive Transport Model To Quantify Arsenic Mobility during Aquifer Storage and Recovery of Potable Water. <i>Environmental Science & Technology</i> , 2011, 45, 6924-6931.	10.0	90
152	Vegetation controls on variably saturated processes between surface water and groundwater and their impact on the state of connection. <i>Water Resources Research</i> , 2011, 47, .	4.2	53
153	Speed of free convective fingering in porous media. <i>Water Resources Research</i> , 2011, 47, .	4.2	43
154	Locating groundwater resources for Aboriginal communities in remote and arid parts of South Australia. <i>The Leading Edge</i> , 2011, 30, 402-408.	0.7	3
155	Disconnected Surface Water and Groundwater: From Theory to Practice. <i>Ground Water</i> , 2011, 49, 460-467.	1.3	91
156	News & Views/. <i>Ground Water</i> , 2011, 49, 783-793.	1.3	0
157	Is in situ stress important to groundwater flow in shallow fractured rock aquifers?. <i>Journal of Hydrology</i> , 2011, 399, 185-200.	5.4	21
158	Numerical modelling of saltwater up-coning: Comparison with experimental laboratory observations. <i>Journal of Hydrology</i> , 2011, 402, 261-273.	5.4	61
159	Assessing spatial and temporal connectivity between surface water and groundwater in a regional catchment: Implications for regional scale water quantity and quality. <i>Journal of Hydrology</i> , 2011, 404, 30-49.	5.4	90
160	Geochemical and ²²² Rn constraints on baseflow to the Murray River, Australia, and timescales for the decay of low-salinity groundwater lenses. <i>Journal of Hydrology</i> , 2011, 405, 333-343.	5.4	72
161	The Onset of Convection in a Strongly Heterogeneous Porous Medium with Transient Temperature Profile. <i>Transport in Porous Media</i> , 2011, 86, 851-865.	2.6	14
162	Current Practice and Future Challenges in Coastal Aquifer Management: Flux-Based and Trigger-Level Approaches with Application to an Australian Case Study. <i>Water Resources Management</i> , 2011, 25, 1831-1853.	3.9	68

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163	The role of in situ stress in determining hydraulic connectivity in a fractured rock aquifer (Australia). <i>Hydrogeology Journal</i> , 2011, 19, 1293-1312.	2.1	14
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